



THE RIVER STORY



● Mendelova
● univerzita
● v Brně
●

Did you know that...

...water streams can be divided into several categories by size. The smaller ones are called brooks and creeks, the larger ones are called rivers and great rivers.

...fresh water comprises only 2.53% of total water mass on earth. And the water in water streams only 0.00015%.

...water streams are administered by state-owned enterprises of river basins (The Vltava River Basin, The Elbe River Basin The Morava River Basin, The Odra River Basin and The Ohře River Basin), Forests of the Czech Republic and to a lesser extent also by military districts, administrations of national parks or individual municipalities and towns.

12th-14th
Centuries



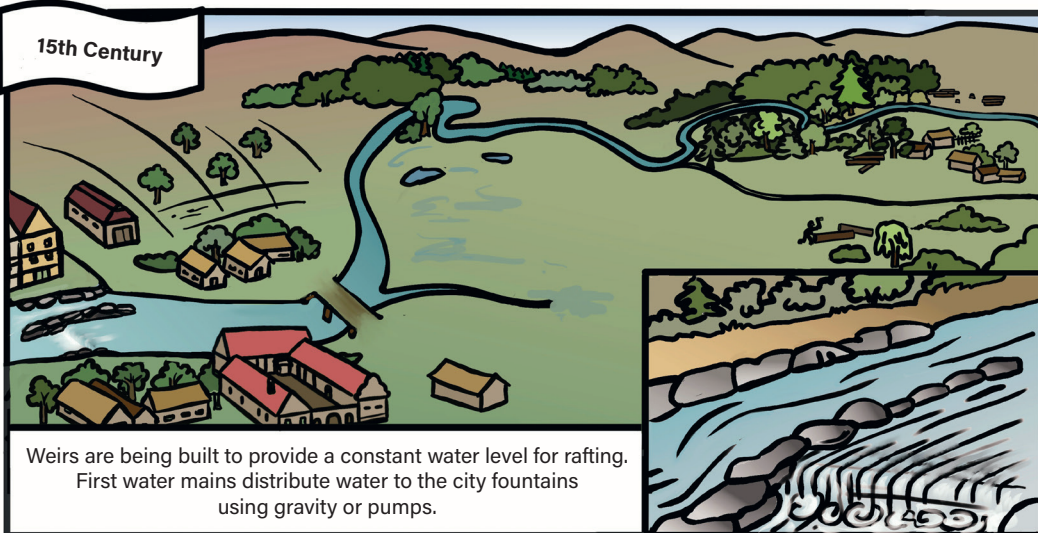
You cannot settle here anymore.
There are too many of us.
You can go further upstream,
but there lies
a dense forest there.



Nice place, but
we have to clear it of trees
so we can build our houses.

People are starting to settle in the foothills of the border mountains, deforesting large areas. The first colonists were mostly people from the Czech lands. Later came also foreign settlers, from German and Austrian areas.

15th Century



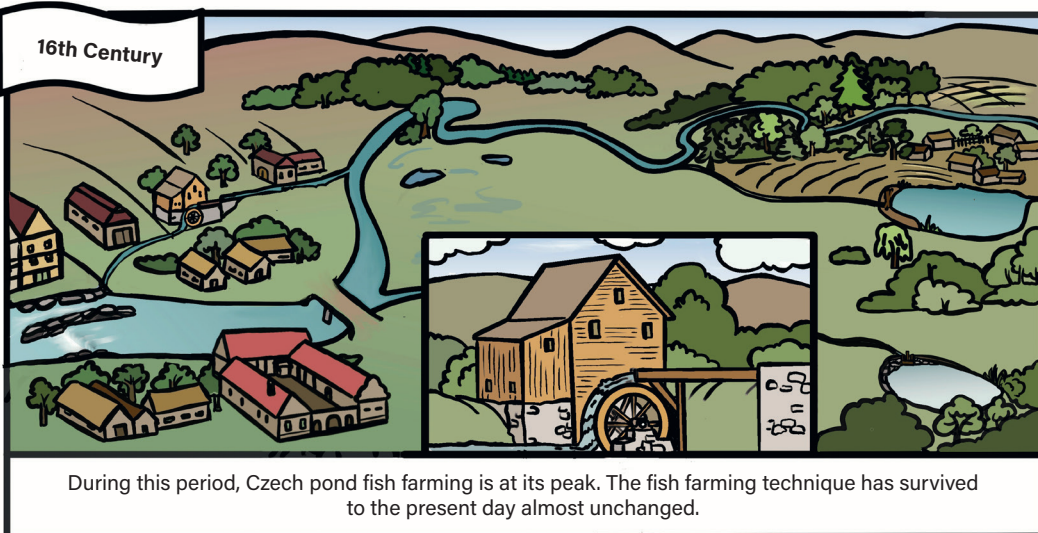
Weirs are being built to provide a constant water level for rafting.
First water mains distribute water to the city fountains
using gravity or pumps.



Using those hollow
logs we'll bring water
into the fountain.

What are you
up to here?

16th Century

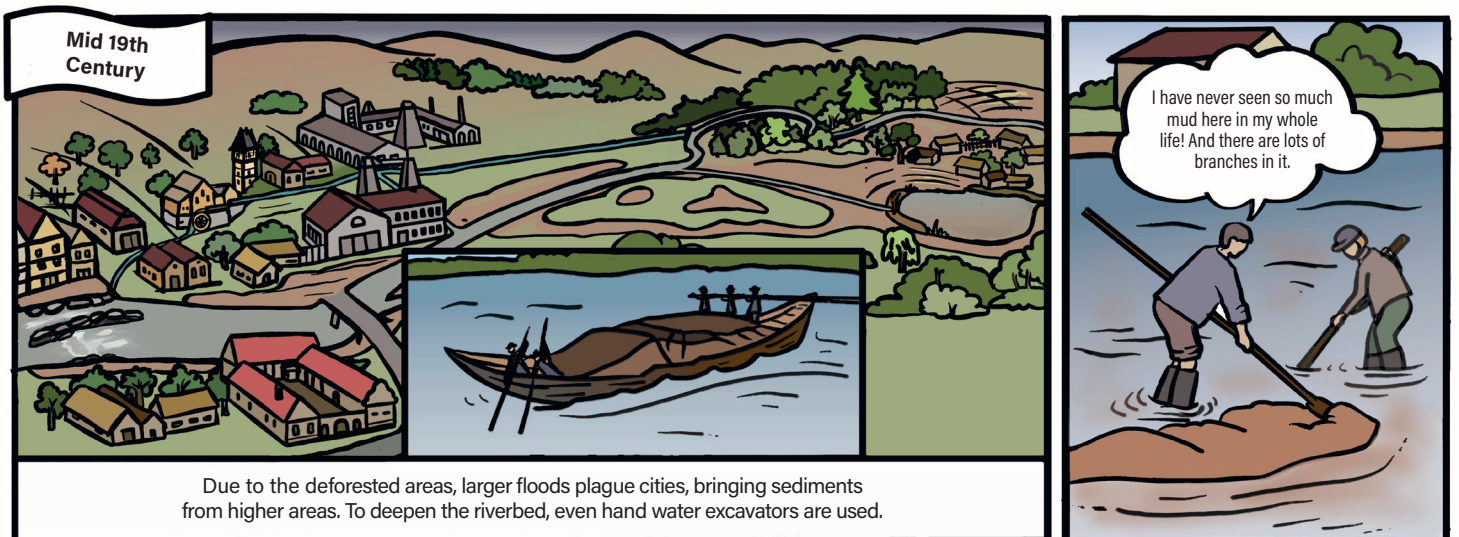
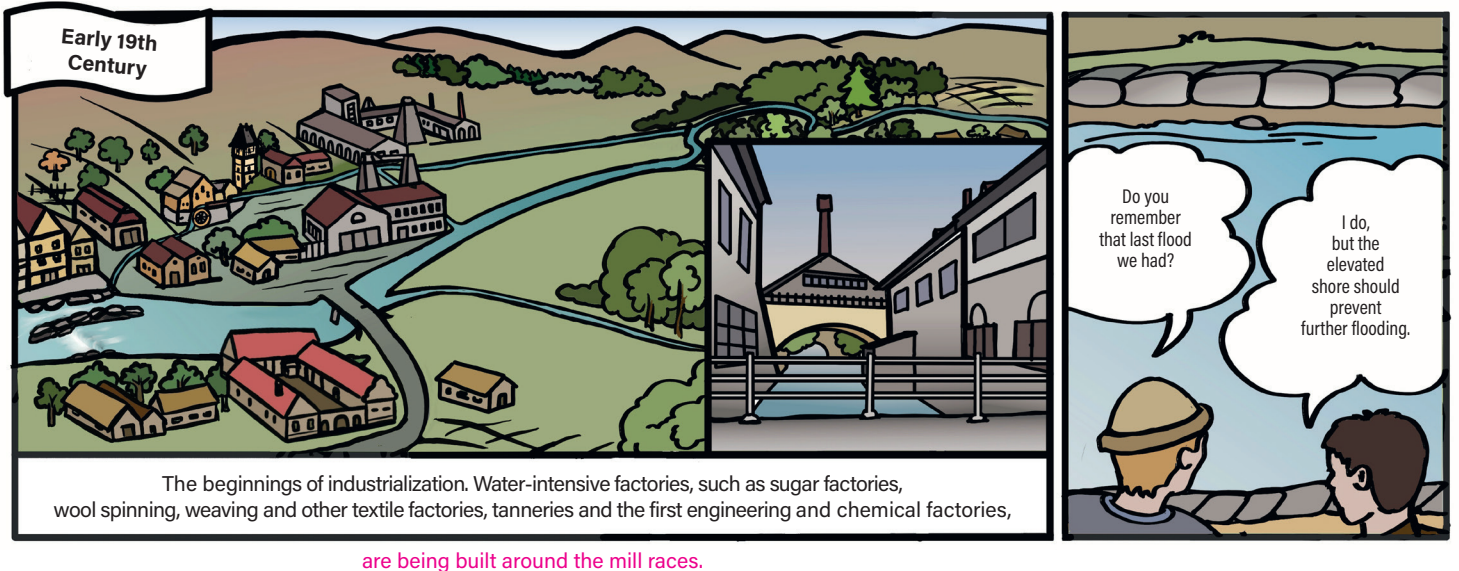
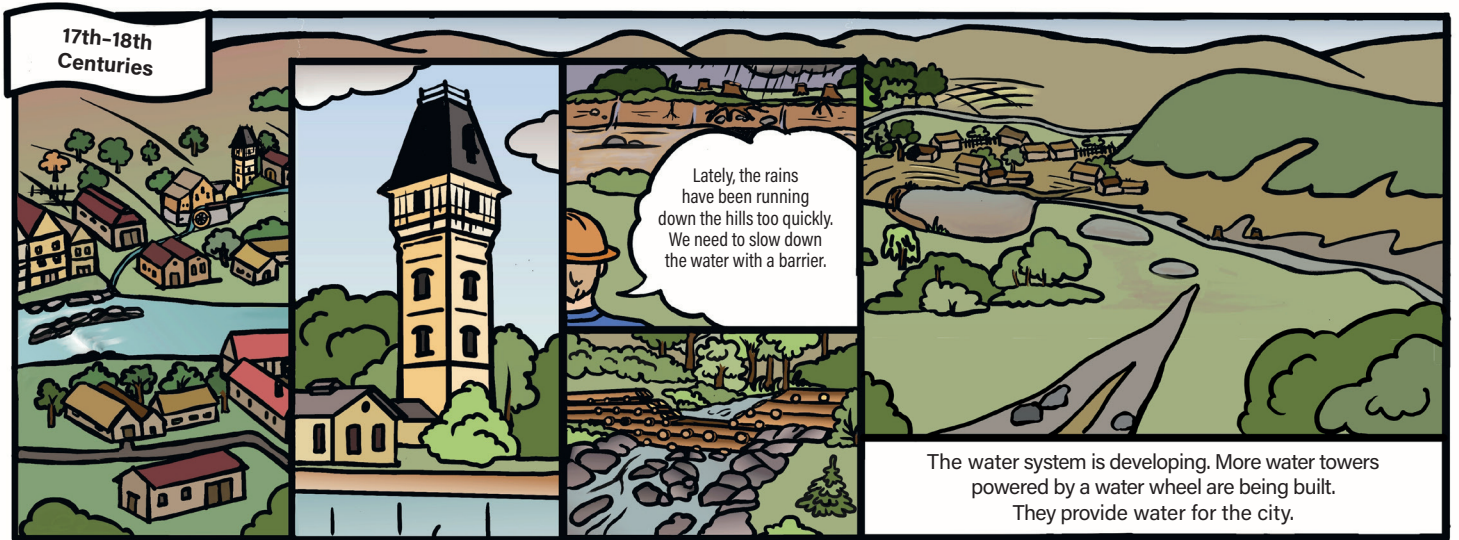


During this period, Czech pond fish farming is at its peak. The fish farming technique has survived to the present day almost unchanged.



We need
a mill race so we
have plenty of water
to turn the mill wheel.

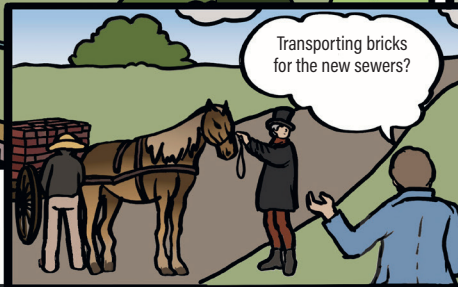
And we'll have
enough fish
for everyone!



Late 19th Century.



The construction of a comprehensive urban water and sewerage networks is being planned. First mechanical wastewater treatment plants are being built.



Transporting bricks for the new sewers?

We will straighten the river curves and build a whole new neighborhood there.



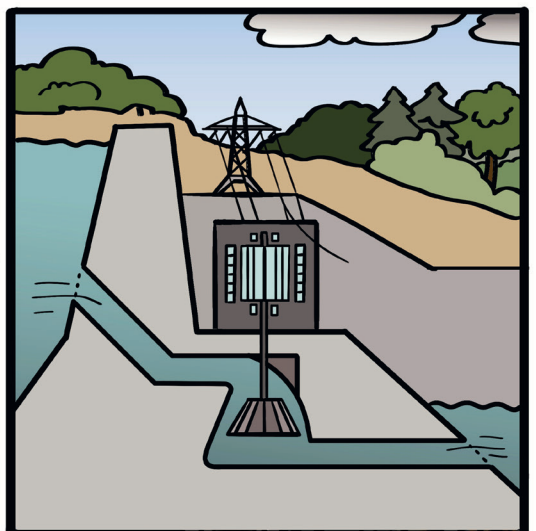
1st Half of the 20th Century.



The first water reservoirs are being built to supply large industrial sites with water, to produce electricity and to protect against floods.



The dam will protect us against more floods.




2nd Half, of the 20th Century.



I'm going blueberry picking. Today I'm going to the new dam, there is a nice forest there.

Water streams are an obstacle to infrastructure and the water is being diverted from municipalities via reinforced riverbeds or pipes as quickly as possible. Drinking water reservoirs are being built.

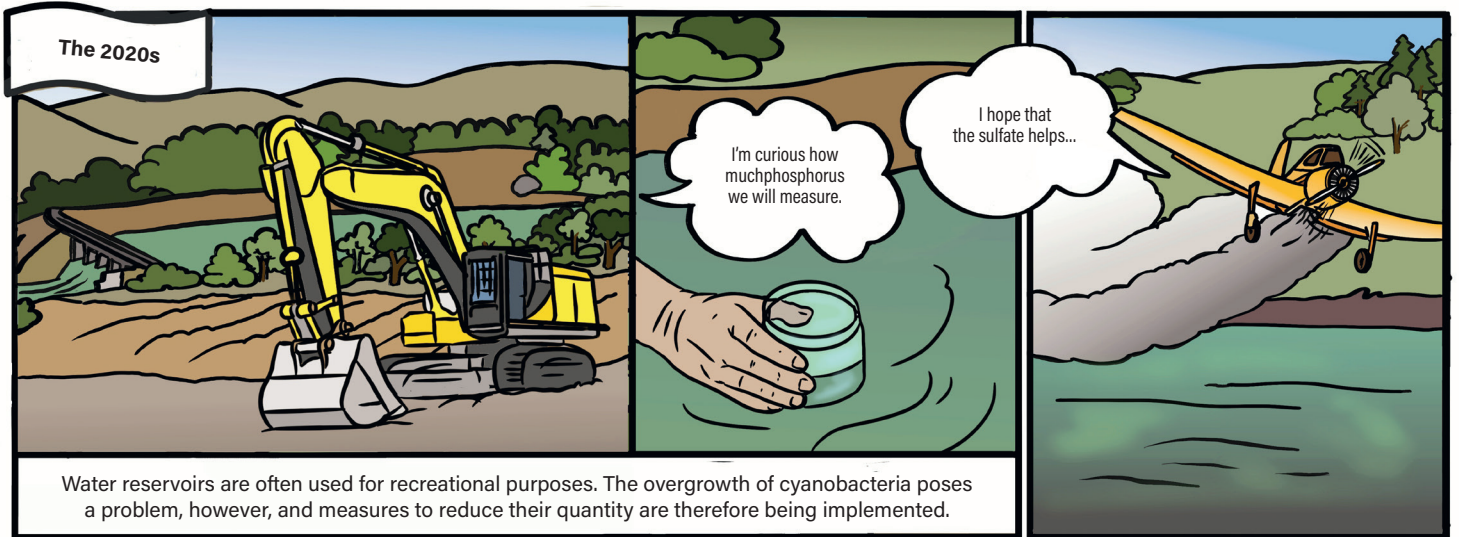
Early 21st Century



A series of major floods is followed by the construction of flood control measures (mobile barriers and detention basins). Existing wastewater treatment plants are being modernized and new ones are being built owing in part to EU subsidies.

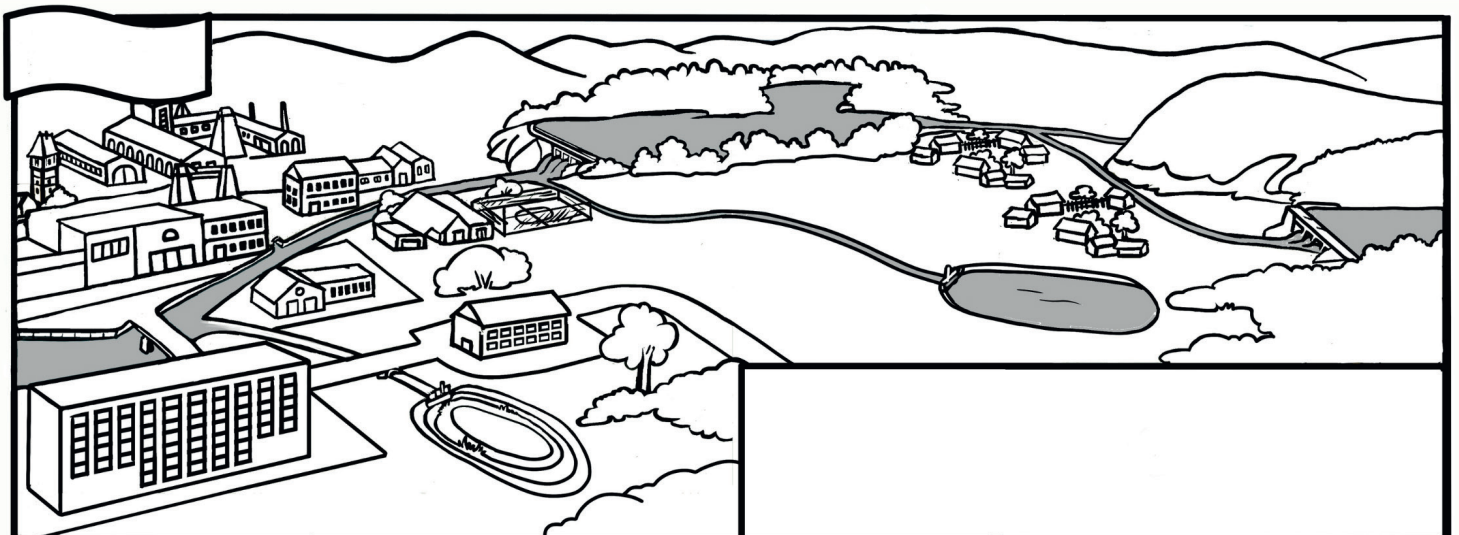


The 2020s



The first panel shows a yellow excavator working on a dirt bank next to a body of water. The second panel shows a hand holding a small blue container over water, with a speech bubble saying "I'm curious how much phosphorus we will measure." The third panel shows a yellow biplane flying over water, with a speech bubble saying "I hope that the sulfate helps..."

Water reservoirs are often used for recreational purposes. The overgrowth of cyanobacteria poses a problem, however, and measures to reduce their quantity are therefore being implemented.



Did you know that...

...the Czech Republic falls into the sea basins of the Baltic Sea, North Sea and Black Sea.

...the total length of water streams in the Czech Republic is about 108,000 km.

...the longest river in the Czech Republic is Vltava with its length of 433 km.

...the largest artificial water streams are Zlatá stoka (Golden Canal), Nová řeka (New River Canal) and Opatovický kanál (Opatovice Canal), which were built in the 16th century.

**At Mendel University in Brno,
water is the main topic of the following
study programmes:**

Faculty of AgriSciences

- Agroecology
- Applied and Landscape Technology
- Fish Production
- Water in the Agroecosystem

Faculty of Forestry and Wood Technology

- Landscaping

Faculty of Horticulture

- Landscape Architecture
- Garden and Landscape Realizations

Faculty of Regional Development and International Studies

- Regional Development



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